

Program Structure of MSc Zoology (2-years)

School of Biological and Life Sciences

Scheme: 2023-25

Summary of Credits

Course Category	For 2 year Program
University Core Courses	4
Program Core Courses	52
Electives	10
Industrial/Academic Internship	2
Dissertation	12
Total Credits	80

Curriculum Structure (23-25)

MSc Zoology (2-year program)

SEMESTER I						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Advanced Cytology	4	0	1	5
2.		Immunology	4	0	0	4
3.		Biochemistry	4	0	0	4
4.		Biology of Invertebrates	4	0	1	5
5.		Bioanalytical and Biophysical Techniques	4	0	0	4
		TOTAL	20	0	2	22
SEMESTER II						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Comparative Physiology	4	0	0	4
2.		Genetics	4	0	1	5
3.		Biology of Vertebrates	4	0	1	5
4.		Elective -I	3	0	0	3
5.		Professional Communication	1	0	1	2
6.		Research Methodology	2	0	0	2
		TOTAL	18	0	3	21
SEMESTER III						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Biotechnology And Genetic Engineering	4	0	1	5
2.		Developmental Biology	3	0	0	3
3.		Ecology and Evolution	3	0	0	3
4.		Animal Behaviour and Chronobiology	3	0	0	3
5.		Elective -II (Specialization Group A/B/C/D)	3	0	1	4
6.		Elective -III Specialization (Group A/B/C/D)	3	0	0	3
		TOTAL	19	0	2	21
SEMESTER IV						
S. No.	Course Code	Course Name	L	T	P	Credits

1.		Dissertation	0	0	12	12
2.		Research, Innovation and & IPR	2	0	0	2
3.		Industry training	0	0	2	2
		TOTAL	2	0	14	16

List of Electives

S.No.		Course name	L	T	P	C
1.	Elective-I	Computational Biology and Bioinformatics	2	0	1	3
2.		Economic Zoology	3	0	0	3
3.		Proteomics, Genomics and Nanotechnology	3	0	0.	3
4.		Parasitology	3	0	0	3

Specialization group electives		Course name	L	T	P	C
A	Elective-II	Fish Diversity and Physiology	3	0	1	4
	Elective-III	Fisheries and Aquaculture	3	0	0	3
B	Elective-II	Entomology-Insect Diversity and Physiology	3	0	1	4
	Elective-III	Applied and Medical Entomology	3	0	0	3
C	Elective-II	Neuroendocrinology	3	0	1	4
	Elective-III	Reproductive Biology	3	0	0	3
D	Elective-II	Biodiversity and Wild Life Conservation	3	0	1	4
	Elective-III	Wild Life Management and Legislation	3	0	0	3